



Part Number : [451450603](#)
Product Description : Squba 1.8-to-Squba 1.8 Off-the-Shelf (OTS) Receptacle Cable Assembly, Single Row, 300.00mm, 6 Circuits, Black
Series Number : 45145
Status : Active
Product Category : Power and Signal Cable Assemblies



Documents & Resources

Drawings

[451450603 sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Contains Dodecamethylcyclohexasiloxane; Decamethylcyclopentasiloxane; Octamethylcyclotetrasiloxane per D(2024)7663-DC (21 Jan 2025)
EU RoHS	Compliant per EU 2015/863

[Compliance Statements](#)

- EU RoHS

- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Power and Signal Cable Assemblies
Series	45145
Description	Squba 1.8-to-Squba 1.8 Off-the-Shelf (OTS) Receptacle Cable Assembly, Single Row, 300.00mm, 6 Circuits, Black
Application	Power, Signal, Wire-to-Wire
Assembly Configuration	Dual Ended Connectors
Connector to Connector	Squba 1.8-to-Squba 1.8
Product Name	Squba
Type	Discrete Wire Assembly, Sealed Assembly
UPC	191128910057

Electrical

Current - Maximum per Contact	5.0A
Voltage - Maximum	125V

Physical

Cable Length	300.00mm
Circuits (Loaded)	6

Circuits (maximum)	6
Color - Resin	Black
Gender	Female-Female
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Matte Tin
Material - Plating Termination	Matte Tin
Material - Resin	Nylon
Net Weight	17.824/g
Number of Rows	1
Overmolded	No
Packaging Type	Bag
Pitch - Mating Interface	1.80mm
Plating min - Mating	2.500µm
Plating min - Termination	2.500µm
Single Ended	No
Termination Interface Style	Crimp or Compression
Wire/Cable Type	UL 1061
Wire Size (AWG)	22

Mates With / Use With

Mates with Part(s)

Description	Part Number
Squba 1.8 Sealed Single Row Plug Assemblies	<u>204223</u>

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